

PATENT APPLICATION

1c872 U.S. PTO
09/994719
11/28/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

KUROSAWA, Miki, et al.

Divisional of
Appln. No. 09/549,498

Prior Group Art Unit: 1725

Confirmation No.: Not Yet Assigned

Prior Examiner: S. Heinrich

Filed: Concurrently Herewith

For: LASER BEAM MACHINING METHOD FOR WIRING BOARD, LASER BEAM MACHINING
APPARATUS FOR WIRING BOARD, AND CARBONIC ACID GAS LASER OSCILLATOR
FOR MACHINING WIRING BOARD

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97 and 1.98

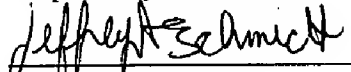
Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO-1449 form which are all the references of record in parent application No. 09/549,498. Applicant is not submitting duplicate copies of these references but requests that they be listed on the face of any patent granted on the above application. (See 37 CFR §1.98(d)). Copies of any cited copending applications, if not previously submitted, are being submitted herewith.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,


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| Form PTO-1449 (Rev. 2-32) | | U.S. Department of Commerce Patent & Trademark Office | | Atty. Docket No. Q67200 | | Serial No.: Divisional of US 09/549,498 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | Confirmation No.: Not Yet Assigned | | | |
| | | | | Applicant: KUROSAWA, Miki, et al. | | Filing Date: Concurrently Herewith | |
| | | | | Group: | | 10/28/01 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|--|-----------------|---------|----------------------|-------|-----------|------------------------------|
| Examiner Initial | | Document Number | Date | Name | Class | Sub-Class | Filing Date (if appropriate) |
| | | 4,248,369 | 2/1981 | Clausen | 219 | 121.85 | |
| | | 4,701,591 | 10/1987 | Masaki et al. | 219 | 121.77 | |
| | | 5,037,183 | 8/1991 | Gagosz et al. | 219 | 121.7X | |
| | | 5,168,454 | 12/1992 | LaPlante et al. | 219 | 121.7X | |
| | | 5,293,025 | 3/1994 | Wang | 219 | 121.71 | |
| | | 5,302,798 | 4/1994 | Inagawa et al. | 219 | 121.7 | |
| | | 5,378,869 | 1/1995 | Marrs et al. | 219 | 121.71 | |
| | | 5,593,606 | 1/1997 | Owen et al. | 219 | 121.71 | |
| | | 4,122,240 | 10/1978 | Banas et al. | 219 | 121.65 | |
| | | 4,959,119 - 102 | 9/1990 | Lantzer | 219 | 121.69 | |
| | | 5,235,154 | 8/1993 | Economikos | 219 | 121.69 | |
| | | 5,294,567 | 3/1994 | Dorfman et al. | 219 | 121.69 | |
| | | 5,674,414 | 10/1997 | Schweizer | 219 | 121.74 | |
| | | 5,676,866 | 10/1997 | in den Bäumen et al. | 219 | 121.74 | |
| | | | | | | | |
| | | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--|-------------|--------|----------------|-------|-----------|--------------------|
| | | Document | Date | Country | Class | Sub-class | Translation Yes/No |
| | | JP B 4-3676 | 1/1992 | Japan | | | Partial |
| | | 1,593,268 | 7/1981 | United Kingdom | 219 | 121.77 | |
| | | 56-4391 | 1/1981 | Japan | 219 | 121.74 | |
| | | 2-182391 | 7/1990 | Japan | 219 | 121.74 | |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
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